

Electrochemical Research Laboratory
THE DOW CHEMICAL COMPANY

D002067

SKIN IRRITATION OF FABRIC PRESERVATIVE G-4

8 EPA-OTS

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Work By

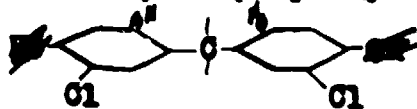
Check *Ethuri Ethuri* Rep. By *J.K. Rowe*
6-19-45

Material:

Name: Fabric Preservative G-4, or Preventol G-D

Chemical name: Dichloro-dihydroxydiphenylmethane

Structural formula:



Empirical formula: $C_{12}H_{10}O_2Cl_2$

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Problem:

How do the skin irritating properties of this material compare with those of dichloro-bis-phenol A?

Experimental:

Twenty applications in 25 days of both 1% and 10% solutions of this material in butyl carbitol acetate on the rabbit's ear and shaven belly failed to produce more than a very slight simple irritation.

Conclusion:

This material, Fabric Preservative G-4, is quite similar to dichloro-bis-phenol A in skin irritating properties.

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